



# HYGIENETECH

Hygiene Technologies International, Inc.

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February 15, 2012

California State Board of Equalization  
450 N Street  
Sacramento, California 94279

Document No. 21201001.14

Attention: David Gau

Regarding: Limited Fungal Growth Exposure Assessment Surveys  
January 2012 QPCR Air Sampling

Dear Mr. Gau:

On January 27, 2011, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted a limited fungal growth exposure assessment survey within the California State Board of Equalization (BOE) building located at 450 N Street in Sacramento, California. Air samples were analyzed using quantitative polymerase chain reaction (QPCR) analysis. During the survey, three air samples each were collected from Floors 1, 3, 5, 7, 9, 11, 15, 17, 19, 21, and 23.

Air samples for QPCR analysis were collected on filter cassettes containing pre-loaded 37-millimeter diameter, polycarbonate filters having a pore size of four micrometers using high volume air sampling pumps. Each pump flow rate was calibrated and verified using a DryCal® DC-Lite Primary Flow Meter. All such samples were subsequently analyzed by trained and experienced microbiologists at Emlab P&K, a laboratory accredited by the American Industrial Hygiene Association (AIHA) and that successfully participates in the AIHA Environmental Microbiology Proficiency Analytical Testing Program. Two samples per floor collected for QPCR analysis were analyzed for quantification of *Cladosporium* species via custom panel for *Cladosporium*, which included *C. cladosporioides* (Type 1), *C. cladosporioides* (Type 2), *C. herbarum*, and *C. sphaerospermum*. One sample per floor along with the outdoor samples collected for QPCR analysis were analyzed for quantification of *Cladosporium* species via custom panel for *Cladosporium*, which included *Cladosporium cladosporioides* (Type 2), *Cladosporium herbarum*, *Cladosporium sphaerospermum*, as well as an additional 23 important indoor molds including *Cladosporium cladosporioides* (Type 1). Applied methodology has been developed by and is licensed through the EPA.

On the survey date, the airborne spore equivalent count data as presented in Table 21201001-14 1A showed fungal spore equivalent types outdoors such as *Acremonium strictum*, *Alternaria alternata*, *Aspergillus flavus* (*A. flavus* and *A. oryzae*), *Aspergillus fumigatus* (*A. fumigatus* and *Neosartorya fischeri*), *Aspergillus niger* (*A. niger*, *A. foetidus* and *A. phoenicis*), *Aspergillus ustus*, *Aspergillus versicolor*, *Chaetomium globosum*, *Cladosporium cladosporioides* (Type 1), *Cladosporium cladosporioides* (Type 2), *Cladosporium herbarum*, *Cladosporium sphaerospermum*, *Eurotium* (Asp.) *amstelodami* (*E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*), *Paecilomyces variotii*, *Penicillium brevicompactum*, *Penicillium purpurogenum*, and/or *Penicillium variabile*. As



presented in Tables 21201001-14A and 14B, in the indoor areas tested on the survey date, the data showed low airborne concentrations of fungal spore equivalent that included one or more of the following: *Alternaria alternata*, *Aspergillus fumigatus* (*A. fumigatus* and *Neosartorya fischeri*), *Aspergillus niger* (*A. niger*, *A. foetidus* and *A. phoenicis*), *Cladosporium cladosporioides* (Type 1), *Cladosporium cladosporioides* (Type 2), *Cladosporium herbarum*, *Cladosporium sphaerospermum*, *Eurotium* (Asp.) *amstelodami* (*E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*), *Paecilomyces variotii*, *Penicillium brevicompactum*, and/or *Penicillium variabile*.

Please note that *Cladosporium sphaerospermum*, the dominant species of *Cladosporium* genus identified in the heating, ventilating, and air conditioning (HVAC) duct interior was either not detected above the laboratory analytical limit or was found at very low and comparable levels in both the indoor and outdoor samples collected. The distribution of fungal spore equivalent types detected in the surveyed areas was generally consistent with those found outdoors, and the overall data within the tested areas were well below the overall data recorded outdoors. Collectively, these data were considered unremarkable and are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to airborne fungi are expected.

Be advised that the data provided in this report only represent limited fungal growth and exposure potentials that existed at the time the survey was performed and at the precise sample locations indicated, the latter of which were selected based on the available background information provided. Note that fungal growth and exposure potentials may change due to changes in environmental conditions (such as those caused by water intrusion), use of mechanical systems, changes in fungal growth within HVAC systems, or other factors.

If you have any comments or questions regarding the information contained in this correspondence, please feel free to contact our offices directly at (310) 370-8370.

Sincerely,

**HYGIENE TECHNOLOGIES INTERNATIONAL, INC.**

Kenny K. Hsi, CIH  
Technical Director

# HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

**CLIENT:** California State Board of Equalization  
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Sacramento, California 94279

## APPENDIX A



**TABLE 21201001-14A  
QUANTITATIVE PCR RESULTS  
450 N STREET  
SACRAMENTO, CALIFORNIA  
JANUARY 27, 2012**

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### Results reported in spore equivalent per cubic meter of air (SE/m<sup>3</sup>)

SAMPLE NUMBER	21201001-14 P01OUT	21201001-14 P02	21201001-14 P05	21201001-14 P07
<b>SAMPLING LOCATION/ACTIVITIES</b>	Outdoors; about 15 feet north of the building; approximately five feet above ground/Normal outdoor activities	1 <sup>st</sup> Floor; Room 106; northern portion; about center; approximately five feet above floor/Sampling activities only	7 <sup>th</sup> Floor; Quiet Room 705; about center; approximately five feet above floor/Sampling activities only	21 <sup>st</sup> Floor; Room 2117; southwestern corner; approximately five feet above floor/Sampling activities only
<b>START/STOP</b>	04:27:00/07:29:00	04:38:00/07:38:00	04:59:00/07:59:00	05:18:00/08:19:00
<b>SAMPLE TIME</b>	182 minutes	180 minutes	180 minutes	181 minutes
Acremonium strictum	<1	<1	<1	<1
Alternaria alternata	19	<1	<1	<1
Aspergillus flavus <sup>a)</sup>	<1	<1	<1	<1
Aspergillus fumigatus <sup>b)</sup>	<1	1	<1	<1
Aspergillus niger <sup>c)</sup>	3	<1	<1	<1
Aspergillus ochraceus <sup>d)</sup>	<1	<1	<1	<1
Aspergillus sydowii	<6	<7	<8	<7
Aspergillus ustus	1	<1	<1	<1
Aspergillus versicolor	<1	<1	<1	<1
Chaetomium globosum	<1	<1	<1	<1
Cladosporium cladosporioides (T-1)	1,800	180	22	23
Cladosporium cladosporioides (T-2)	11	1	1	<1
Cladosporium herbarum	66	3	1	1
Cladosporium sphaerospermum	<1	1	<1	<1
Eurotium (Asp.) amstelodami <sup>e)</sup>	28	<1	<1	7
Memnoniella echinata	<1	<1	<1	<1
Paecilomyces variotii	<1	<1	<1	<1
Penicillium aurantiogriseum <sup>f)</sup>	<2	<2	<2	<2
Penicillium brevicompactum	200	11	7	4
Penicillium chrysogenum (T-2) <sup>g)</sup>	<1	<1	<1	<1
Penicillium purpurogenum	<1	<1	<1	<1
Penicillium variable	<3	<4	<4	<4
Scopulariopsis brevicaulis <sup>h)</sup>	<1	<1	<1	<1
Stachybotrys chartarum	<1	<1	<1	<1
Trichoderma viride <sup>i)</sup>	<1	<1	<1	<1
Ulocladium botrytis	<1	<1	<1	<1

a) Includes A. flavus and A. oryzae

c) Includes A. niger, A.foetidus and A.phoenicis

e) Includes E. amstelodami, E.chevalieri, E.herbariorum, E.rubrum and E.repens

g) Includes dominant subgroups of species

i) Includes T.viride, T.atroviride and T.koningii

b) Includes A. fumigatus and Neosartorya fischeri

d) Includes A. ochraceus and A.ostianus

f) Includes P. aurantiogriseum, P.freii, P.polonicum, P.tricolor and P.viridicatum

h) Includes S.brevicaulis and S.fusca

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**TABLE 21201001-14A  
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450 N STREET  
SACRAMENTO, CALIFORNIA  
JANUARY 27, 2012**

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### Results reported in spore equivalent per cubic meter of air (SE/m<sup>3</sup>)

SAMPLE NUMBER	21201001-14 P10	21201001-14 P13OUT	21201001-14 P15	21201001-14 P16
<b>SAMPLING LOCATION/ACTIVITIES</b>	15 <sup>th</sup> Floor; Quiet Room 1509; about center; approximately five feet above floor/Sampling activities only	Outdoors; about 15 feet southwest of parking attendant booth; approximately five feet above ground/Normal outdoor activities	3 <sup>rd</sup> Floor; Column K20; Cubicle 106; about center; approximately five feet above floor/Normal office activities	5 <sup>th</sup> Floor; Column K17 area; Cubicle 7.01; about center; approximately five feet above floor/Normal office activities
<b>START/STOP</b>	05:42:00/08:53:00	07:38:00/10:46:00	07:50:00/11:08:00	08:04:00/11:18:00
<b>SAMPLE TIME</b>	191 minutes	188 minutes	198 minutes	194 minutes
Acremonium strictum	<1	2	<1	<1
Alternaria alternata	<1	23	<1	<1
Aspergillus flavus <sup>a)</sup>	<1	<1	<1	<1
Aspergillus fumigatus <sup>b)</sup>	<1	1	<1	<1
Aspergillus niger <sup>c)</sup>	<1	14	<1	<1
Aspergillus ochraceus <sup>d)</sup>	<1	<1	<1	<1
Aspergillus sydowii	<6	<6	<5	<7
Aspergillus ustus	<1	<1	<1	<1
Aspergillus versicolor	<1	3	<1	<1
Chaetomium globosum	<1	<1	<1	<1
Cladosporium cladosporioides (T-1)	16	3,200	16	11
Cladosporium cladosporioides (T-2)	1	24	<1	<1
Cladosporium herbarum	1	420	3	2
Cladosporium sphaerospermum	<1	1	<1	<1
Eurotium (Asp.) amstelodami <sup>e)</sup>	<1	170	<1	<1
Memnoniella echinata	<1	<1	<1	<1
Paecilomyces variotii	<1	1	<1	<1
Penicillium aurantiogriseum <sup>f)</sup>	<2	<2	<2	<2
Penicillium brevicompactum	2	530	14	9
Penicillium chrysogenum (T-2) <sup>g)</sup>	<1	<1	<1	<1
Penicillium purpurogenum	<1	3	<1	<1
Penicillium variable	<3	640	<3	<4
Scopulariopsis brevicaulis <sup>h)</sup>	<1	<1	<1	<1
Stachybotrys chartarum	<1	<1	<1	<1
Trichoderma viride <sup>i)</sup>	<1	<1	<1	<1
Ulocladium botrytis	<1	<1	<1	<1

a) Includes A. flavus and A. oryzae

c) Includes A. niger, A.foetidus and A.phoenicis

e) Includes E. amstelodami, E.chevalieri, E.herbariorum, E.rubrum and E.repens

g) Includes dominant subgroups of species

i) Includes T.viride, T.atroviride and T.koningii

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450 N STREET  
SACRAMENTO, CALIFORNIA  
JANUARY 27, 2012**

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### Results reported in spore equivalent per cubic meter of air (SE/m<sup>3</sup>)

SAMPLE NUMBER	21201001-14 P18	21201001-14 P24	21201001-14 P25OUT	21201001-14 P31
<b>SAMPLING LOCATION/ACTIVITIES</b>	23 <sup>rd</sup> Floor; Conference Room 2317; eastern portion; about center; approximately five feet above floor/Normal office activities	9 <sup>th</sup> Floor; Column N- 20 area; about 15 feet southwest of Column N20; approximately five feet above floor/Normal office activities	M Floor; outside air supply intake; western portion; approximately five feet above ground/Routine activities	19 <sup>th</sup> Floor; Column L- 18 area; Cubicle 129; about center; approximately five feet above floor/Normal office activities
<b>START/STOP</b>	08:15:00/11:45:00	10:02:00/13:17:00	11:02:00/14:05:00	12:05:00/15:15:00
<b>SAMPLE TIME</b>	210 minutes	195 minutes	183 minutes	190 minutes
Acremonium strictum	<1	<1	3	<1
Alternaria alternata	<1	<1	16	<1
Aspergillus flavus <sup>a)</sup>	<1	<1	<1	<1
Aspergillus fumigatus <sup>b)</sup>	<1	<1	3	<1
Aspergillus niger <sup>c)</sup>	1	1	4	1
Aspergillus ochraceus <sup>d)</sup>	<1	<1	<1	<1
Aspergillus sydowii	<6	<6	<5	<6
Aspergillus ustus	<1	<1	<1	<1
Aspergillus versicolor	<1	<1	4	<1
Chaetomium globosum	<1	<1	<1	<1
Cladosporium cladosporioides (T-1)	52	20	6,200	56
Cladosporium cladosporioides (T-2)	2	1	18	1
Cladosporium herbarum	2	1	190	2
Cladosporium sphaerospermum	<1	<1	1	1
Eurotium (Asp.) amstelodami <sup>e)</sup>	<1	<1	120	11
Memnoniella echinata	<1	<1	<1	<1
Paecilomyces variotii	1	<1	1	<1
Penicillium aurantiogriseum <sup>f)</sup>	<2	<2	16	<2
Penicillium brevicompactum	39	5	160	7
Penicillium chrysogenum (T-2) <sup>g)</sup>	<1	<1	<1	<1
Penicillium purpurogenum	<1	<1	<1	<1
Penicillium variable	<3	<4	69	8
Scopulariopsis brevicaulis <sup>h)</sup>	<1	<1	<1	<1
Stachybotrys chartarum	<1	<1	<1	<1
Trichoderma viride <sup>i)</sup>	<1	<1	<1	<1
Ulocladium botrytis	<1	<1	<1	<1

a) Includes A. flavus and A. oryzae

c) Includes A. niger, A.foetidus and A.phoenicis

e) Includes E. amstelodami, E.chevalieri, E.herbariorum, E.rubrum and E.repens

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**TABLE 21201001-14A  
QUANTITATIVE PCR RESULTS  
450 N STREET  
SACRAMENTO, CALIFORNIA  
JANUARY 27, 2012**

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**Results reported in spore equivalent per cubic meter of air (SE/m<sup>3</sup>)**

SAMPLE NUMBER	21201001-14 P33	21201001-14 P36	21201001-14 P38 BLANK	
<b>SAMPLING LOCATION/ACTIVITIES</b>	17 <sup>th</sup> Floor; Column M-17 area; about five feet west of Column M17; approximately five feet above floor/Normal office activities	11 <sup>th</sup> Floor; Column N20 area; about 15 feet south of Column N20; approximately five feet above floor/Normal office activities	Field Blank	This column intentionally left blank
<b>START/STOP</b>	12:38:00/15:38:00	14:40:00/17:55:00	N/A	
<b>SAMPLE TIME</b>	180 minutes	195 minutes	N/A	
Acremonium strictum	<1	<1	<1	
Alternaria alternata	7	<1	<1	
Aspergillus flavus <sup>a)</sup>	<1	<1	<1	
Aspergillus fumigatus <sup>b)</sup>	<1	2	<1	
Aspergillus niger <sup>c)</sup>	<1	1	<1	
Aspergillus ochraceus <sup>d)</sup>	<1	<1	<1	
Aspergillus sydowii	<6	<6	<8	
Aspergillus ustus	<1	<1	<1	
Aspergillus versicolor	<1	<1	<1	
Chaetomium globosum	<1	<1	<1	
Cladosporium cladosporioides (T-1)	99	65	<1	
Cladosporium cladosporioides (T-2)	<1	1	<1	
Cladosporium herbarum	3	1	<1	
Cladosporium sphaerospermum	1	1	<1	
Eurotium (Asp.) amstelodami <sup>e)</sup>	<1	3	<1	
Memnoniella echinata	<1	<1	<1	
Paecilomyces variotii	<1	<1	<1	
Penicillium aurantiogriseum <sup>f)</sup>	<2	<2	<2	
Penicillium brevicompactum	7	4	<2	
Penicillium chrysogenum (T-2) <sup>g)</sup>	<1	<1	<1	
Penicillium purpurogenum	<1	<1	<1	
Penicillium variable	<3	<4	<4	
Scopulariopsis brevicaulis <sup>h)</sup>	<1	<1	<1	
Stachybotrys chartarum	<1	<1	<1	
Trichoderma viride <sup>i)</sup>	<1	<1	<1	
Ulocladium botrytis	<1	<1	<1	

a) Includes A. flavus and A. oryzae

c) Includes A. niger, A.foetidus and A.phoenicis

e) Includes E. amstelodami, E.chevalieri, E.herbariorum, E.rubrum and E.repens

g) Includes dominant subgroups of species

i) Includes T.viride, T.atroviride and T.koningii

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## APPENDIX A



**TABLE 21201001-14B  
QUANTITATIVE PCR RESULTS  
CLADOSPORIUM CUSTOM PANEL  
450 N STREET  
SACRAMENTO, CALIFORNIA  
JANUARY 27, 2011**

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**Results reported in spore equivalent per cubic meter of air (SE/m<sup>3</sup>)**

SAMPLE NUMBER	21201001-14 P03	21201001-14 P04	21201001-14 P06	21201001-14 P08
<b>SAMPLING LOCATION/ACTIVITIES</b>	3 <sup>rd</sup> Floor; Conference Room 303; northwestern corner; approximately five feet above floor/Sampling activities only	5 <sup>th</sup> Floor; Conference Room 503; northeastern corner; approximately five feet above floor/Sampling activities only	23 <sup>rd</sup> Floor; Room 2311; entry area of 2311A; approximately five feet above floor/Sampling activities only	19 <sup>th</sup> Floor; Quiet Room 1908; about center; approximately five feet above floor/Sampling activities only
<b>START/STOP</b>	04:46:00/07:47:00	04:53:00/07:53:00	05:13:00/08:13:00	05:26:00/08:27:00
<b>SAMPLE TIME</b>	181 minutes	180 minutes	180 minutes	230 minutes
Cladosporium cladosporioides (T-1)	11	24	73	8
Cladosporium cladosporioides (T-2)	<1	<1	2	<1
Cladosporium herbarum	1	50	1	1
Cladosporium sphaerospermum	<1	<1	<1	<1

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**TABLE 21201001-14B  
QUANTITATIVE PCR RESULTS  
CLADOSPORIUM CUSTOM PANEL  
450 N STREET  
SACRAMENTO, CALIFORNIA  
JANUARY 27, 2011**

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**Results reported in spore equivalent per cubic meter of air (SE/m<sup>3</sup>)**

SAMPLE NUMBER	21201001-14 P09	21201001-14 P11	21201001-14 P12	21201001-14 P14
<b>SAMPLING LOCATION/ACTIVITIES</b>	17 <sup>th</sup> Floor; Quiet Room 1720; about center; approximately five feet above floor/Sampling activities only	11 <sup>th</sup> Floor; Room 1102; southeastern corner; approximately five feet above floor/Sampling activities only	9 <sup>th</sup> Floor; Room 907; northwestern corner; approximately five feet above floor/Sampling activities only	1 <sup>st</sup> Floor; Room 122; southwestern corner; approximately five feet above floor/Sampling activities only
<b>START/STOP</b>	05:33:00/08:51:00	05:52:00/09:07:00	05:57:00/09:16:00	07:42:00/10:54:00
<b>SAMPLE TIME</b>	198 minutes	195 minutes	199 minutes	135 minutes
Cladosporium cladosporioides (T-1)	8	1	24	43
Cladosporium cladosporioides (T-2)	1	1	1	1
Cladosporium herbarum	1	5	7	52
Cladosporium sphaerospermum	<1	<1	<1	1

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**TABLE 21201001-14B  
QUANTITATIVE PCR RESULTS  
CLADOSPORIUM CUSTOM PANEL  
450 N STREET  
SACRAMENTO, CALIFORNIA  
JANUARY 27, 2011**

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**Results reported in spore equivalent per cubic meter of air (SE/m<sup>3</sup>)**

SAMPLE NUMBER	21201001-14 P17	21201001-14 P19	21201001-14 P20	21201001-14 P21
<b>SAMPLING LOCATION/ACTIVITIES</b>	7 <sup>th</sup> Floor; Column K20 area; about 15 feet north of Column K20; approximately five feet above floor/Normal office activities	21 <sup>st</sup> Floor; Break Room 2108; about center; approximately five feet above floor/Normal office activities	19 <sup>th</sup> Floor; Column K22 area; Cubicle 49; about center; approximately five feet above floor/Normal office activities	17 <sup>th</sup> Floor; Room 1708; northern portion; about center; approximately five feet above floor/Normal office activities
<b>START/STOP</b>	08:04:00/11:18:00	08:22:00/11:50:00	08:34:00/12:00:00	08:57:00/12:11:00
<b>SAMPLE TIME</b>	194 minutes	208 minutes	206 minutes	194 minutes
Cladosporium cladosporioides (T-1)	14	150	18	33
Cladosporium cladosporioides (T-2)	1	1	<1	<1
Cladosporium herbarum	800	22	1	1
Cladosporium sphaerospermum	<1	1	<1	<1

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**TABLE 21201001-14B  
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450 N STREET  
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**Results reported in spore equivalent per cubic meter of air (SE/m<sup>3</sup>)**

SAMPLE NUMBER	21201001-14 P22	21201001-14 P26	21201001-14 P27	21201001-14 P28
<b>SAMPLING LOCATION/ACTIVITIES</b>	15 <sup>th</sup> Floor; Column L18 area; Cubicle 64; about center; approximately five feet above floor/Normal office activities	1 <sup>st</sup> Floor; Reproduction Room 129; eastern portion; about center; approximately five feet above floor/Normal office activities	3 <sup>rd</sup> Floor; western quadrant; Room 324; northeastern corner; about center; approximately five feet above floor/Normal office activities	5 <sup>th</sup> Floor; northern quadrant; Room 508; about center; approximately five feet above floor/Normal office activities
<b>START/STOP</b>	09:29:00/12:29:00	11:05:00/14:19:00	11:25:00/14:25:00	11:37:00/14:51:00
<b>SAMPLE TIME</b>	180 minutes	194 minutes	180 minutes	194 minutes
Cladosporium cladosporioides (T-1)	13	59	68	58
Cladosporium cladosporioides (T-2)	1	2	1	1
Cladosporium herbarum	2	2	22	24
Cladosporium sphaerospermum	1	1	1	1

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**TABLE 21201001-14B  
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CLADOSPORIUM CUSTOM PANEL  
450 N STREET  
SACRAMENTO, CALIFORNIA  
JANUARY 27, 2011**

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**Results reported in spore equivalent per cubic meter of air (SE/m<sup>3</sup>)**

SAMPLE NUMBER	21201001-14 P29	21201001-14 P30	21201001-14 P32	21201001-14 P34
<b>SAMPLING LOCATION/ACTIVITIES</b>	23 <sup>rd</sup> Floor; Room 2329; about ten feet northwest of entry door; approximately five feet above floor/ Normal office activities	21 <sup>st</sup> Floor; Column K17 area; Cubicle 18; about center; approximately five feet above floor/ Normal office activities	7 <sup>th</sup> Floor; Column N18 area; Cubicle 162; about center; approximately five feet above floor/Normal office activities	15 <sup>th</sup> Floor; Column N20 area; Room 1502; northeastern corner; approximately five feet above floor/Normal office activities
<b>START/STOP</b>	11:49:00/15:03:00	11:55:00/15:05:00	12:21:00/15:26:00	12:48:00/16:01:00
<b>SAMPLE TIME</b>	194 minutes	190 minutes	185 minutes	193 minutes
Cladosporium cladosporioides (T-1)	16	64	22	52
Cladosporium cladosporioides (T-2)	1	1	1	1
Cladosporium herbarum	1	3	1	4
Cladosporium sphaerospermum	<1	1	<1	<1

# HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

**CLIENT:** California State Board of Equalization  
450 N Street  
Sacramento, California 94279

## APPENDIX A



**TABLE 21201001-14B  
QUANTITATIVE PCR RESULTS  
CLADOSPORIUM CUSTOM PANEL  
450 N STREET  
SACRAMENTO, CALIFORNIA  
JANUARY 27, 2011**

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**Results reported in spore equivalent per cubic meter of air (SE/m<sup>3</sup>)**

SAMPLE NUMBER	21201001-14 P35	21201001-14 P37		
<b>SAMPLING LOCATION/ACTIVITIES</b>	9 <sup>th</sup> Floor; Employee Lounge Room 905; about center; approximately five feet above floor/ Normal office activities	11 <sup>th</sup> Floor; western quadrant; Room 1106; northwestern corner; approximately five feet above floor/Normal office activities	This column intentionally left blank	This column intentionally left blank
<b>START/STOP</b>	13:35:00/16:40:00	14:47:00/17:56:00		
<b>SAMPLE TIME</b>	185 minutes	189 minutes		
Cladosporium cladosporioides (T-1)	7	19		
Cladosporium cladosporioides (T-2)	1	1		
Cladosporium herbarum	77	1		
Cladosporium sphaerospermum	2	1		



# PCR - Custom Panel (26 species)

Prepared Exclusively For:

Hygiene Technologies International, Inc.  
3625 Del Amo Blvd Suite 180  
Torrance, CA 90503-1643

**Project Name:** 21201001-14

**Project ID Number:** 882751

**February 8, 2012**

This report has been prepared at the request of and for the exclusive use of the client named in this report. EMLabP&K will not release results or report to a third party without prior written consent.

**Results:**

Sample ID	Air Volume [m <sup>3</sup> ]	21201001-14 P01 OUT		21201001-14 P02		21201001-14 P05	
		1.274	1.260	1.188	SE*	SE/m <sup>3</sup>	SE*
<b>Fungal ID</b>							
<i>Acremonium strictum</i>	ND	<1	ND	<1	ND	<1	
<i>Alternaria alternata</i>	24	19	ND	<1	ND	<1	
<i>Aspergillus flavus</i> <sup>a</sup>	ND	<1	ND	<1	ND	<1	
<i>Aspergillus fumigatus</i> <sup>b</sup>	ND	<1	1	1	ND	<1	
<i>Aspergillus niger</i> <sup>c</sup>	4	3	ND	<1	ND	<1	
<i>Aspergillus ochraceus</i> <sup>d</sup>	ND	<1	ND	<1	ND	<1	
<i>Aspergillus sydowii</i>	ND	<6	ND	<7	ND	<8	
<i>Aspergillus ustus</i>	1	1	ND	<1	ND	<1	
<i>Aspergillus versicolor</i>	ND	<1	ND	<1	ND	<1	
<i>Chaetomium globosum</i>	ND	<1	ND	<1	ND	<1	
<i>Cladosporium cladosporioides</i> (Type 1)	2300	1800	230	180	26	22	
<i>Cladosporium cladosporioides</i> (Type 2)	14	11	1	1	1	1	
<i>Cladosporium herbarum</i>	84	66	4	3	1	1	
<i>Cladosporium sphaerospermum</i>	ND	<1	1	1	ND	<1	
<i>Eurotium (Asp.) amstelodami</i> <sup>e</sup>	36	28	ND	<1	ND	<1	
<i>Memnoniella echinata</i>	ND	<1	ND	<1	ND	<1	
<i>Paecilomyces variotii</i>	ND	<1	ND	<1	ND	<1	
<i>Penicillium aurantiogriseum</i> <sup>f</sup>	ND	<2	ND	<2	ND	<2	
<i>Penicillium brevicompactum</i>	260	200	14	11	8	7	
<i>Penicillium chrysogenum</i> (Type 2) <sup>g</sup>	ND	<1	ND	<1	ND	<1	
<i>Penicillium purpurogenum</i>	ND	<1	ND	<1	ND	<1	
<i>Penicillium variable</i>	ND	<3	ND	<4	ND	<4	
<i>Scopulariopsis brevicaulis</i> <sup>h</sup>	ND	<1	ND	<1	ND	<1	
<i>Stachybotrys chartarum</i>	ND	<1	ND	<1	ND	<1	
<i>Trichoderma viride</i> <sup>i</sup>	ND	<1	ND	<1	ND	<1	
<i>Ulocladium botrytis</i>	ND	<1	ND	<1	ND	<1	

\* SE = Spore Equivalents, ND = Not Detected

<sup>a</sup> Includes *A. flavus* and *A. oryzae*

<sup>b</sup> Includes *A. fumigatus* and *Neosartorya fischeri*

<sup>c</sup> Includes *A. niger*, *A. foetidus* and *A. phoenicis*

<sup>d</sup> Includes *A. ochraceus* and *A. ostianus*

<sup>e</sup> Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

<sup>f</sup> Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

<sup>g</sup> Includes dominant subgroup of species

<sup>h</sup> Includes *S. brevicaulis* and *S. fusca*

<sup>i</sup> Includes *T. viride*, *T. atroviride* and *T. koningii*

**Results:**

Sample ID	21201001-14 P07		21201001-14 P10		21201001-14 P13 OUT	
	Air Volume [m <sup>3</sup> ]	1.240	SE*	SE/m <sup>3</sup>	SE*	SE/m <sup>3</sup>
Fungal ID	SE*	SE/m <sup>3</sup>	SE*	SE/m <sup>3</sup>	SE*	SE/m <sup>3</sup>
<i>Acremonium strictum</i>	ND	<1	ND	<1	3	2
<i>Alternaria alternata</i>	ND	<1	ND	<1	30	23
<i>Aspergillus flavus</i> <sup>a</sup>	ND	<1	ND	<1	ND	<1
<i>Aspergillus fumigatus</i> <sup>b</sup>	ND	<1	ND	<1	1	1
<i>Aspergillus niger</i> <sup>c</sup>	ND	<1	ND	<1	18	14
<i>Aspergillus ochraceus</i> <sup>d</sup>	ND	<1	ND	<1	ND	<1
<i>Aspergillus sydowii</i>	ND	<7	ND	<6	ND	<6
<i>Aspergillus ustus</i>	ND	<1	ND	<1	ND	<1
<i>Aspergillus versicolor</i>	ND	<1	ND	<1	3	3
<i>Chaetomium globosum</i>	ND	<1	ND	<1	ND	<1
<i>Cladosporium cladosporioides</i> (Type 1)	28	23	21	16	4100	3200
<i>Cladosporium cladosporioides</i> (Type 2)	ND	<1	1	1	31	24
<i>Cladosporium herbarum</i>	1	1	1	1	530	420
<i>Cladosporium sphaerospermum</i>	ND	<1	ND	<1	1	1
<i>Eurotium (Asp.) amstelodami</i> <sup>e</sup>	8	7	ND	<1	220	170
<i>Memnoniella echinata</i>	ND	<1	ND	<1	ND	<1
<i>Paecilomyces variotii</i>	ND	<1	ND	<1	1	1
<i>Penicillium aurantiogriseum</i> <sup>f</sup>	ND	<2	ND	<2	ND	<2
<i>Penicillium brevicompactum</i>	5	4	3	2	680	530
<i>Penicillium chrysogenum</i> (Type 2) <sup>g</sup>	ND	<1	ND	<1	ND	<1
<i>Penicillium purpurogenum</i>	ND	<1	ND	<1	4	3
<i>Penicillium variabile</i>	ND	<4	ND	<3	820	640
<i>Scopulariopsis brevicaulis</i> <sup>h</sup>	ND	<1	ND	<1	ND	<1
<i>Stachybotrys chartarum</i>	ND	<1	ND	<1	ND	<1
<i>Trichoderma viride</i> <sup>i</sup>	ND	<1	ND	<1	ND	<1
<i>Ulocladium botrytis</i>	ND	<1	ND	<1	ND	<1

\* SE = Spore Equivalents, ND = Not Detected

<sup>a</sup> Includes *A. flavus* and *A. oryzae*

<sup>b</sup> Includes *A. fumigatus* and *Neosartorya fischeri*

<sup>c</sup> Includes *A. niger*, *A. foetidus* and *A. phoenicis*

<sup>d</sup> Includes *A. ochraceus* and *A. ostianus*

<sup>e</sup> Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

<sup>f</sup> Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

<sup>g</sup> Includes dominant subgroup of species

<sup>h</sup> Includes *S. brevicaulis* and *S. fusca*

<sup>i</sup> Includes *T. viride*, *T. atroviride* and *T. koningii*

**Results:**

Sample ID	21201001-14 P15		21201001-14 P16		21201001-14 P18	
	Air Volume [m <sup>3</sup> ]	1.396	Air Volume [m <sup>3</sup> ]	1.379	Air Volume [m <sup>3</sup> ]	1.501
Fungal ID	SE*	SE/m <sup>3</sup>	SE*	SE/m <sup>3</sup>	SE*	SE/m <sup>3</sup>
<i>Acremonium strictum</i>	ND	<1	ND	<1	ND	<1
<i>Alternaria alternata</i>	ND	<1	ND	<1	ND	<1
<i>Aspergillus flavus</i> <sup>a</sup>	ND	<1	ND	<1	ND	<1
<i>Aspergillus fumigatus</i> <sup>b</sup>	ND	<1	ND	<1	ND	<1
<i>Aspergillus niger</i> <sup>c</sup>	ND	<1	ND	<1	1	1
<i>Aspergillus ochraceus</i> <sup>d</sup>	ND	<1	ND	<1	ND	<1
<i>Aspergillus sydowii</i>	ND	<5	ND	<7	ND	<6
<i>Aspergillus ustus</i>	ND	<1	ND	<1	ND	<1
<i>Aspergillus versicolor</i>	ND	<1	ND	<1	ND	<1
<i>Chaetomium globosum</i>	ND	<1	ND	<1	ND	<1
<i>Cladosporium cladosporioides</i> (Type 1)	23	16	16	11	78	52
<i>Cladosporium cladosporioides</i> (Type 2)	ND	<1	ND	<1	3	2
<i>Cladosporium herbarum</i>	5	3	3	2	3	2
<i>Cladosporium sphaerospermum</i>	ND	<1	ND	<1	ND	<1
<i>Eurotium (Asp.) amstelodami</i> <sup>e</sup>	ND	<1	ND	<1	ND	<1
<i>Memnoniella echinata</i>	ND	<1	ND	<1	ND	<1
<i>Paecilomyces variotii</i>	ND	<1	ND	<1	1	1
<i>Penicillium aurantiogriseum</i> <sup>f</sup>	ND	<2	ND	<2	ND	<2
<i>Penicillium brevicompactum</i>	20	14	13	9	59	39
<i>Penicillium chrysogenum</i> (Type 2) <sup>g</sup>	ND	<1	ND	<1	ND	<1
<i>Penicillium purpurogenum</i>	ND	<1	ND	<1	ND	<1
<i>Penicillium variabile</i>	ND	<3	ND	<4	ND	<3
<i>Scopulariopsis brevicaulis</i> <sup>h</sup>	ND	<1	ND	<1	ND	<1
<i>Stachybotrys chartarum</i>	ND	<1	ND	<1	ND	<1
<i>Trichoderma viride</i> <sup>i</sup>	ND	<1	ND	<1	ND	<1
<i>Ulocladium botrytis</i>	ND	<1	ND	<1	ND	<1

\* SE = Spore Equivalents, ND = Not Detected

<sup>a</sup> Includes *A. flavus* and *A. oryzae*

<sup>b</sup> Includes *A. fumigatus* and *Neosartorya fischeri*

<sup>c</sup> Includes *A. niger*, *A. foetidus* and *A. phoenicis*

<sup>d</sup> Includes *A. ochraceus* and *A. ostianus*

<sup>e</sup> Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

<sup>f</sup> Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

<sup>g</sup> Includes dominant subgroup of species

<sup>h</sup> Includes *S. brevicaulis* and *S. fusca*

<sup>i</sup> Includes *T. viride*, *T. atroviride* and *T. koningii*

**Results:**

Sample ID	21201001-14 P24		21201001-14 P25 OUT		21201001-14 P31					
	Air Volume [m <sup>3</sup> ]	1.316	SE*	SE/m <sup>3</sup>	1.464	SE*	SE/m <sup>3</sup>	1.430	SE*	SE/m <sup>3</sup>
Fungal ID										
<i>Acremonium strictum</i>		ND	<1	5	3	ND	<1			
<i>Alternaria alternata</i>		ND	<1	24	16	ND	<1			
<i>Aspergillus flavus</i> <sup>a</sup>		ND	<1	ND	<1	ND	<1			
<i>Aspergillus fumigatus</i> <sup>b</sup>		ND	<1	4	3	ND	<1			
<i>Aspergillus niger</i> <sup>c</sup>		1	1	5	4	1	1			
<i>Aspergillus ochraceus</i> <sup>d</sup>		ND	<1	ND	<1	ND	<1			
<i>Aspergillus sydowii</i>		ND	<6	ND	<5	ND	<6			
<i>Aspergillus ustus</i>		ND	<1	ND	<1	ND	<1			
<i>Aspergillus versicolor</i>		ND	<1	6	4	ND	<1			
<i>Chaetomium globosum</i>		ND	<1	ND	<1	ND	<1			
<i>Cladosporium cladosporioides</i> (Type 1)	26	20	9100	6200	80	56				
<i>Cladosporium cladosporioides</i> (Type 2)	1	1	27	18	1	1				
<i>Cladosporium herbarum</i>		1	1	280	190	2	2			
<i>Cladosporium sphaerospermum</i>		ND	<1	1	1	1	1			
<i>Eurotium (Asp.) amstelodami</i> <sup>e</sup>		ND	<1	170	120	16	11			
<i>Memnoniella echinata</i>		ND	<1	ND	<1	ND	<1			
<i>Paecilomyces variotii</i>		ND	<1	1	1	ND	<1			
<i>Penicillium aurantiogriseum</i> <sup>f</sup>		ND	<2	24	16	ND	<2			
<i>Penicillium brevicompactum</i>		6	5	230	160	10	7			
<i>Penicillium chrysogenum</i> (Type 2) <sup>g</sup>		ND	<1	ND	<1	ND	<1			
<i>Penicillium purpurogenum</i>		ND	<1	ND	<1	ND	<1			
<i>Penicillium variabile</i>		ND	<4	100	69	12	8			
<i>Scopulariopsis brevicaulis</i> <sup>h</sup>		ND	<1	ND	<1	ND	<1			
<i>Stachybotrys chartarum</i>		ND	<1	ND	<1	ND	<1			
<i>Trichoderma viride</i> <sup>i</sup>		ND	<1	ND	<1	ND	<1			
<i>Ulocladium botrytis</i>		ND	<1	ND	<1	ND	<1			

\* SE = Spore Equivalents, ND = Not Detected

<sup>a</sup> Includes *A. flavus* and *A. oryzae*

<sup>b</sup> Includes *A. fumigatus* and *Neosartorya fischeri*

<sup>c</sup> Includes *A. niger*, *A. foetidus* and *A. phoenicis*

<sup>d</sup> Includes *A. ochraceus* and *A. ostianus*

<sup>e</sup> Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

<sup>f</sup> Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

<sup>g</sup> Includes dominant subgroup of species

<sup>h</sup> Includes *S. brevicaulis* and *S. fusca*

<sup>i</sup> Includes *T. viride*, *T. atroviride* and *T. koningii*

**Results:**

Sample ID	21201001-14 P33		21201001-14 P36		21201001-14 P38 BLANK	
Air Volume [m <sup>3</sup> ]	1.332		1.345		NA	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/sample
<i>Acremonium strictum</i>	ND	<1	ND	<1	ND	<1
<i>Alternaria alternata</i>	9	7	ND	<1	ND	<1
<i>Aspergillus flavus</i> <sup>a</sup>	ND	<1	ND	<1	ND	<1
<i>Aspergillus fumigatus</i> <sup>b</sup>	ND	<1	3	2	ND	<1
<i>Aspergillus niger</i> <sup>c</sup>	ND	<1	1	1	ND	<1
<i>Aspergillus ochraceus</i> <sup>d</sup>	ND	<1	ND	<1	ND	<1
<i>Aspergillus sydowii</i>	ND	<6	ND	<6	ND	<8
<i>Aspergillus ustus</i>	ND	<1	ND	<1	ND	<1
<i>Aspergillus versicolor</i>	ND	<1	ND	<1	ND	<1
<i>Chaetomium globosum</i>	ND	<1	ND	<1	ND	<1
<i>Cladosporium cladosporioides</i> (Type 1)	130	99	87	65	ND	<1
<i>Cladosporium cladosporioides</i> (Type 2)	ND	<1	1	1	ND	<1
<i>Cladosporium herbarum</i>	4	3	1	1	ND	<1
<i>Cladosporium sphaerospermum</i>	1	1	1	1	ND	<1
<i>Eurotium (Asp.) amstelodami</i> <sup>e</sup>	ND	<1	4	3	ND	<1
<i>Memnoniella echinata</i>	ND	<1	ND	<1	ND	<1
<i>Paecilomyces variotii</i>	ND	<1	ND	<1	ND	<1
<i>Penicillium aurantiogriseum</i> <sup>f</sup>	ND	<2	ND	<2	ND	<2
<i>Penicillium brevicompactum</i>	10	7	5	4	ND	<2
<i>Penicillium chrysogenum</i> (Type 2) <sup>g</sup>	ND	<1	ND	<1	ND	<1
<i>Penicillium purpurogenum</i>	ND	<1	ND	<1	ND	<1
<i>Penicillium variabile</i>	ND	<3	ND	<4	ND	<4
<i>Scopulariopsis brevicaulis</i> <sup>h</sup>	ND	<1	ND	<1	ND	<1
<i>Stachybotrys chartarum</i>	ND	<1	ND	<1	ND	<1
<i>Trichoderma viride</i> <sup>i</sup>	ND	<1	ND	<1	ND	<1
<i>Ulocladium botrytis</i>	ND	<1	ND	<1	ND	<1

\* SE = Spore Equivalents, ND = Not Detected

<sup>a</sup> Includes *A. flavus* and *A. oryzae*

<sup>b</sup> Includes *A. fumigatus* and *Neosartorya fischeri*

<sup>c</sup> Includes *A. niger*, *A. foetidus* and *A. phoenicis*

<sup>d</sup> Includes *A. ochraceus* and *A. ostianus*

<sup>e</sup> Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

<sup>f</sup> Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

<sup>g</sup> Includes dominant subgroup of species

<sup>h</sup> Includes *S. brevicaulis* and *S. fusca*

<sup>i</sup> Includes *T. viride*, *T. atroviride* and *T. koningii*

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# PCR - Custom Panel (4 species)

Prepared Exclusively For:

Hygiene Technologies International, Inc.  
3625 Del Amo Blvd Suite 180  
Torrance, CA 90503-1643

**Project Name:** 21201001-14

**Project ID Number:** 882751

**February 8, 2012**

This report has been prepared at the request of and for the exclusive use of the client named in this report. EMLabP&K will not release results or report to a third party without prior written consent.

**Results:**

Sample ID	21201001-14 P03		21201001-14 P04		21201001-14 P06	
Air Volume [m <sup>3</sup> ]	1.240		1.278		1.251	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Cladosporium cladosporioides</i> (Type 1)	14	11	31	24	91	73
<i>Cladosporium cladosporioides</i> (Type 2)	ND	<1	ND	<1	2	2
<i>Cladosporium herbarum</i>	1	1	64	50	1	1
<i>Cladosporium sphaerospermum</i>	ND	<1	ND	<1	ND	<1

Sample ID	21201001-14 P08		21201001-14 P09		21201001-14 P11	
Air Volume [m <sup>3</sup> ]	1.267		1.119		1.336	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Cladosporium cladosporioides</i> (Type 1)	10	8	9	8	2	1
<i>Cladosporium cladosporioides</i> (Type 2)	ND	<1	1	1	1	1
<i>Cladosporium herbarum</i>	1	1	1	1	6	5
<i>Cladosporium sphaerospermum</i>	ND	<1	ND	<1	ND	<1

Sample ID	21201001-14 P12		21201001-14 P14		21201001-14 P17	
Air Volume [m <sup>3</sup> ]	1.139		1.354		1.387	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Cladosporium cladosporioides</i> (Type 1)	27	24	58	43	19	14
<i>Cladosporium cladosporioides</i> (Type 2)	1	1	2	1	1	1
<i>Cladosporium herbarum</i>	8	7	71	52	1100	800
<i>Cladosporium sphaerospermum</i>	ND	<1	1	1	ND	<1

Sample ID	21201001-14 P19		21201001-14 P20		21201001-14 P21	
Air Volume [m <sup>3</sup> ]	1.476		1.504		1.465	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Cladosporium cladosporioides</i> (Type 1)	230	150	27	18	48	33
<i>Cladosporium cladosporioides</i> (Type 2)	1	1	ND	<1	ND	<1
<i>Cladosporium herbarum</i>	32	22	2	1	1	1
<i>Cladosporium sphaerospermum</i>	1	1	ND	<1	ND	<1

Sample ID	21201001-14 P22		21201001-14 P26		21201001-14 P27	
Air Volume [m <sup>3</sup> ]	1.233		1.484		1.460	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Cladosporium cladosporioides</i> (Type 1)	16	13	88	59	99	68
<i>Cladosporium cladosporioides</i> (Type 2)	1	1	2	2	1	1
<i>Cladosporium herbarum</i>	2	2	1	1	33	22
<i>Cladosporium sphaerospermum</i>	1	1	1	1	1	1

Sample ID	21201001-14 P28		21201001-14 P29		21201001-14 P30	
Air Volume [m <sup>3</sup> ]	1.377		1.406		1.482	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Cladosporium cladosporioides</i> (Type 1)	79	58	23	16	94	64
<i>Cladosporium cladosporioides</i> (Type 2)	1	1	1	1	2	1
<i>Cladosporium herbarum</i>	33	24	1	1	5	3
<i>Cladosporium sphaerospermum</i>	1	1	ND	<1	1	1

Sample ID	21201001-14 P32		21201001-14 P34		21201001-14 P35	
Air Volume [m <sup>3</sup> ]	1.295		1.447		1.249	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Cladosporium cladosporioides</i> (Type 1)	29	22	76	52	9	7
<i>Cladosporium cladosporioides</i> (Type 2)	1	1	1	1	1	1
<i>Cladosporium herbarum</i>	1	1	6	4	96	77
<i>Cladosporium sphaerospermum</i>	ND	<1	ND	<1	2	2

\* SE = Spore Equivalents, ND = Not Detected

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# HYGIENE

Hygiene Technologies International, Inc.

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(310) 370-8370  
(310) 370-2474 FAX  
[www.hygienetech.com](http://www.hygienetech.com)

## Request For Analysis<sup>w</sup>

Project Number/Purchase Order: 21201001-14 Date Submitted: 1/30/12

Project Contact: L-Sam Hsu / K. hsi / LSE Turnaround Required: No prompt

Lab Destination: EM LAB Lab Contact: Q1 - Sample RECEIVING

**Special Instructions:** Please analyze sample wells p04, p06, p07, p08, p09, p10 also for PCR23 analysis.

1. Sampled by: Franklin S. Karp on 1/27/12 @ 9:45 Received by: \_\_\_\_\_  
2. Relinquished by: Franklin on 1/30/12 @ 18:00 Received by: \_\_\_\_\_  
3. Relinquished by: Felix 1000 1/31/12 Received by: D. Karp  
Please include signature, date and time.

Lah Use Only:



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A standard linear barcode is located at the bottom right of the page, consisting of vertical black lines of varying widths on a white background.

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Slide 180

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1121-330-0370

3101 370.93 70

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## Request For Analysis

Project Number/Purchase Order: 21201061-14 Date Submitted: (130)12

Project Contact: L-Sam Shue / C-hsi KotsE Turnaround Required: Normal

Lab Destination: EMLAB Lab Contact: Sample Recovery

Special Instructions: Please analyze Sample no's p13, p15, p16, p18, p24 along with PCR23 analysis

1. Sampled by: Franklin & FATE on 1/27/12 @ 11:38 Received by: \_\_\_\_\_  
2. Relinquished by: Franklin on 1/28/12 @ 18:00 Received by: \_\_\_\_\_  
3. Relinquished by: Karen 1000 1/28/12 Received by: D. Karp  
Please include signature, date, and time

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Torrance, California 90503-1643  
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## Request For Analysis

Project Number/Purchase Order: 21201001-14

Date Submitted: 1/26/12

Project Contact: L-Samuel K-Hsi / LTCSE

Turnaround Required: Normal

Lab Destination: F219 LAB

Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
24 21201001-14 P2500	1464 L	3mm 3PC 0.9gumpCE	PCR Custom Panel (Cladosporium)
25 P26	1484 L		
26 P27	1460 L		
27 P28	1377 L		
28 P29	1426 L		
29 P30	1482 L		
30 P31	1430 L		
31 P32	1295 L		
32 P33	1332 L		
33 P34	1447 L		
34 P35	1249 L		
35 P36	1345 L		
36 P37	1347 L		
37 P38 BLANK	N/A		

Special Instructions: p16416 Analyze sample Nols P2500  
P31, P36, P33 & P38 BLANK For PCR 23 Analysis

1. Sampled by: Samuel K-Hsi on 1/26/12 11:00 Received by: \_\_\_\_\_

2. Relinquished by: Samuel on 1/26/12 @ 18:00 Received by: \_\_\_\_\_

3. Relinquished by: KDOK 1000 1/31/12 Received by: JKW  
Please include signature, date, and time

Lab Use Only: